

218); a detection system (212) for detecting light from the wafer; a data processing system (213) for collecting and analyzing the data received by the detection system.

However, the amended claim 62 is directed to a wide field of view scanner for delivering excitation light and detecting excited fluorescent light. The scanner includes a scanning assembly for **displacing an objective lens in a scanning motion**, while the optical path provided by the displaced objective lens and the scanning assembly has a substantially constant length. There are fundamental differences between this invention and the teaching of Worster. Worster does **not** disclose a scanner for delivering excitation light and detecting the excited fluorescent light. Worster does **not** disclose a scanner with a scanning assembly for displacing an objective lens in a scanning motion. Worster teaches a stationary objective lens during scanning (after the appropriate lens was selected from several lenses mounted on a turret); that is, during the scanning process the lens is stationary and the substrate is displaced using a moving stage.

Accordingly, all pending claims 62 through 90 are in condition for allowance and such action is respectfully requested.

Please charge all US PTO fees, including claim fees, and apply any credits to the Deposit Account No. 01-0431.

Respectfully submitted,

Ivan D. Zitkovsky, Reg. No. 37,482
6 Freeman Circle
Lexington, MA 02421-7713

Tel. +781-943-4012 (or 274-8064)
Fax +781-274-8065

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Ivan D. Zitkovsky

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: James W. Overbeck . Examiner: T.Q. Nguyen
Serial No: 10/034,620 Art Unit: 2872
Filed: December 27, 2001
For: WIDE FIELD OF VIEW AND HIGH SPEED SCANNING MICROSCOPY

AMENDMENTS

with changes shown

62. (Amended) A wide field of view scanner, comprising:
a scanning assembly constructed to provide a light excitation beam emitted from
a light source in a scanning motion to an examined surface;
an objective lens associated with and displaced by said [the] scanning assembly
arranged to provide an optical path from said light source to the examined surface and
from the examined surface fluorescent light, excited in response to said excitation
beam, to a light detector; said displaced objective lens and said scanning assembly
providing said optical path having substantially constant length;
a translation system constructed to produce movement of the examined surface;
and
a data collection control and processing unit arranged to collect data
during the scanning motion and process the collected data.